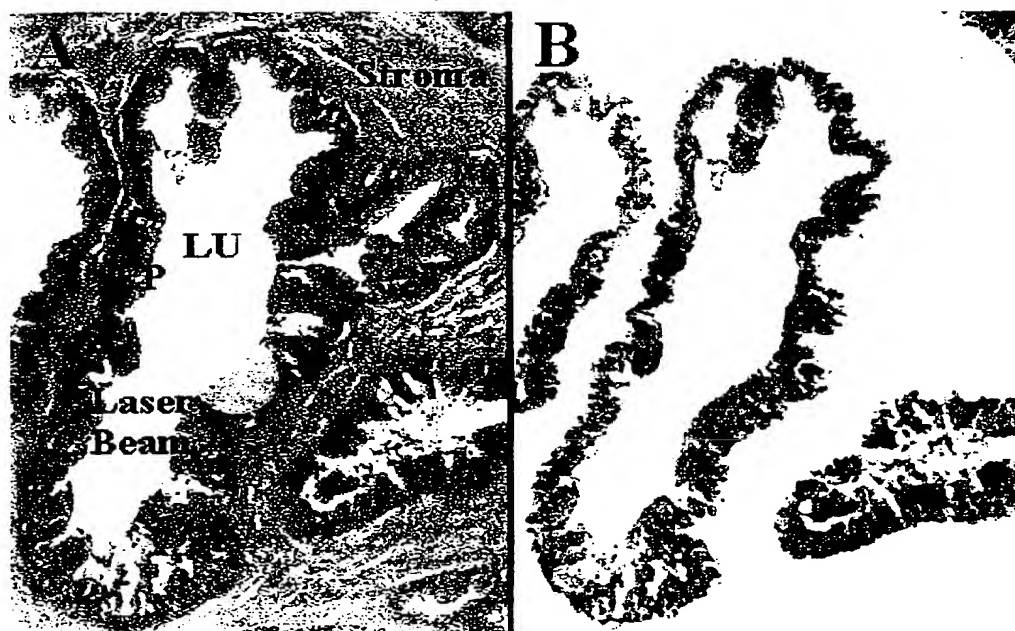


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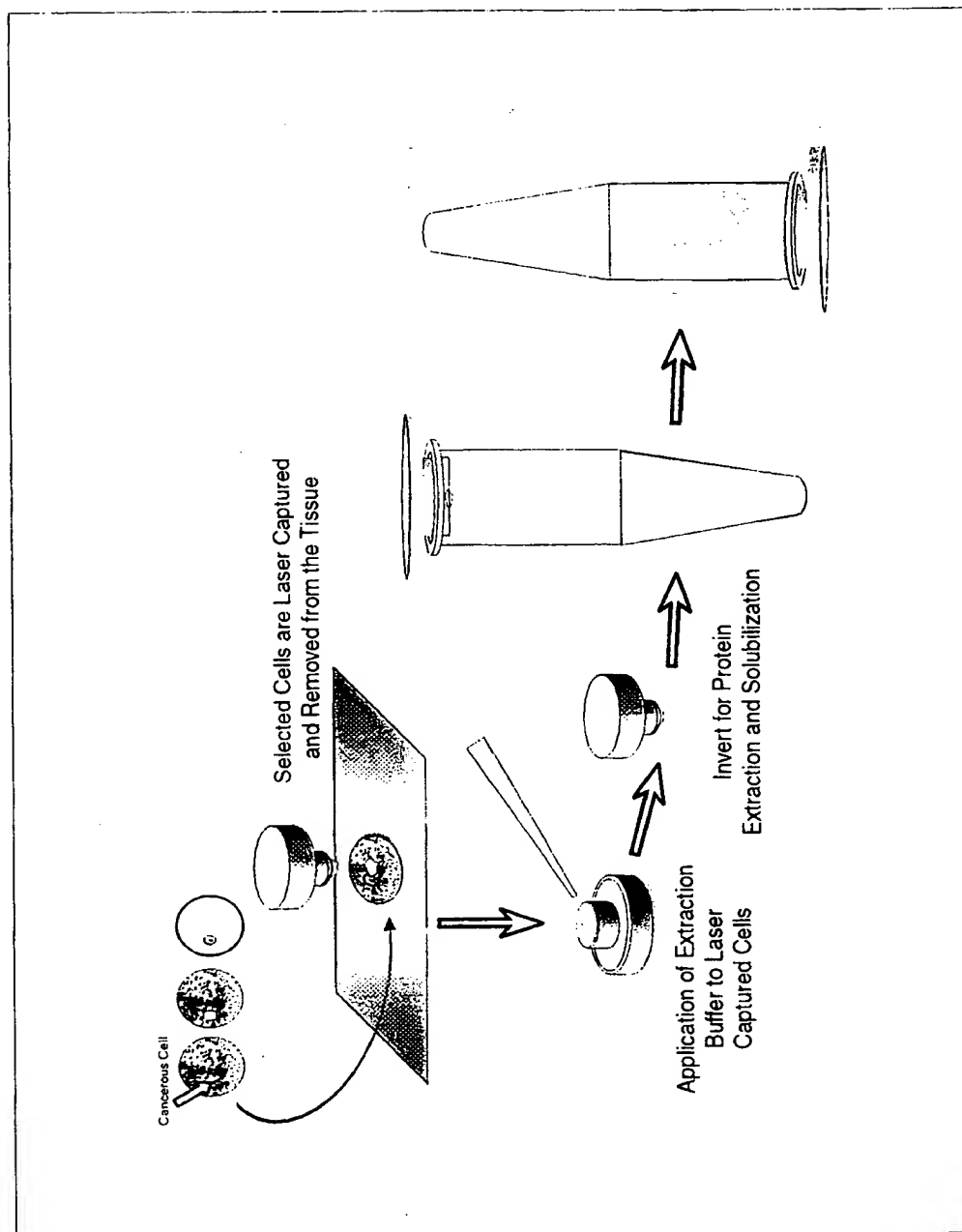
FIG. 1



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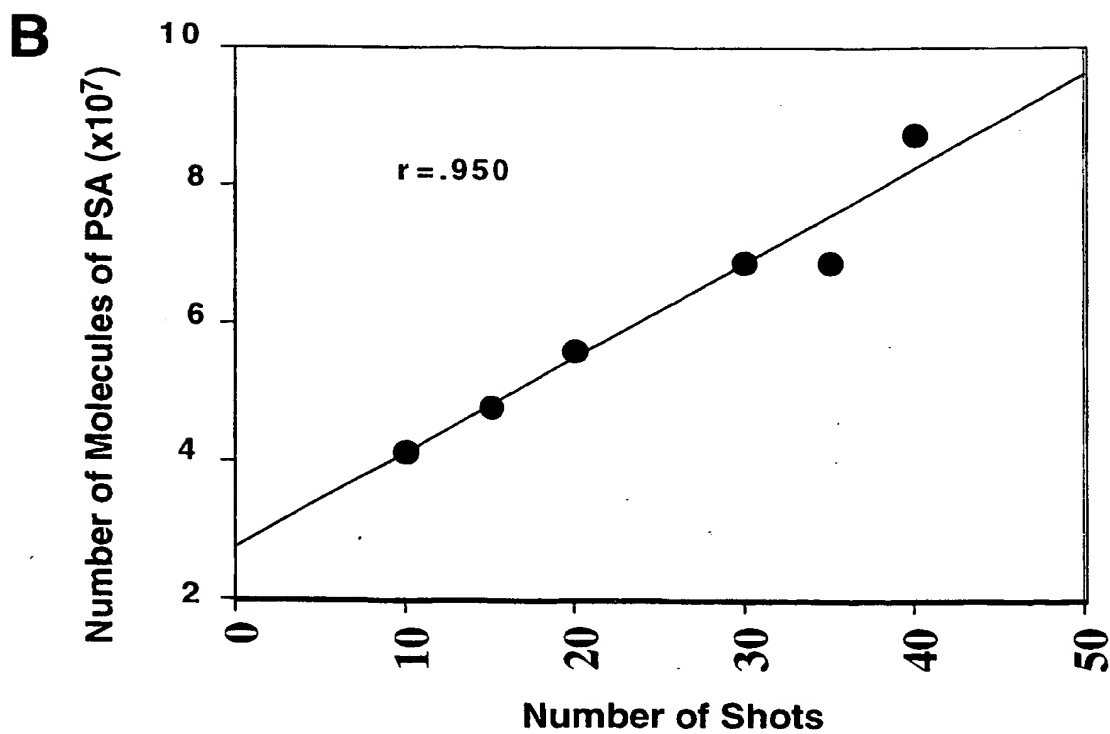
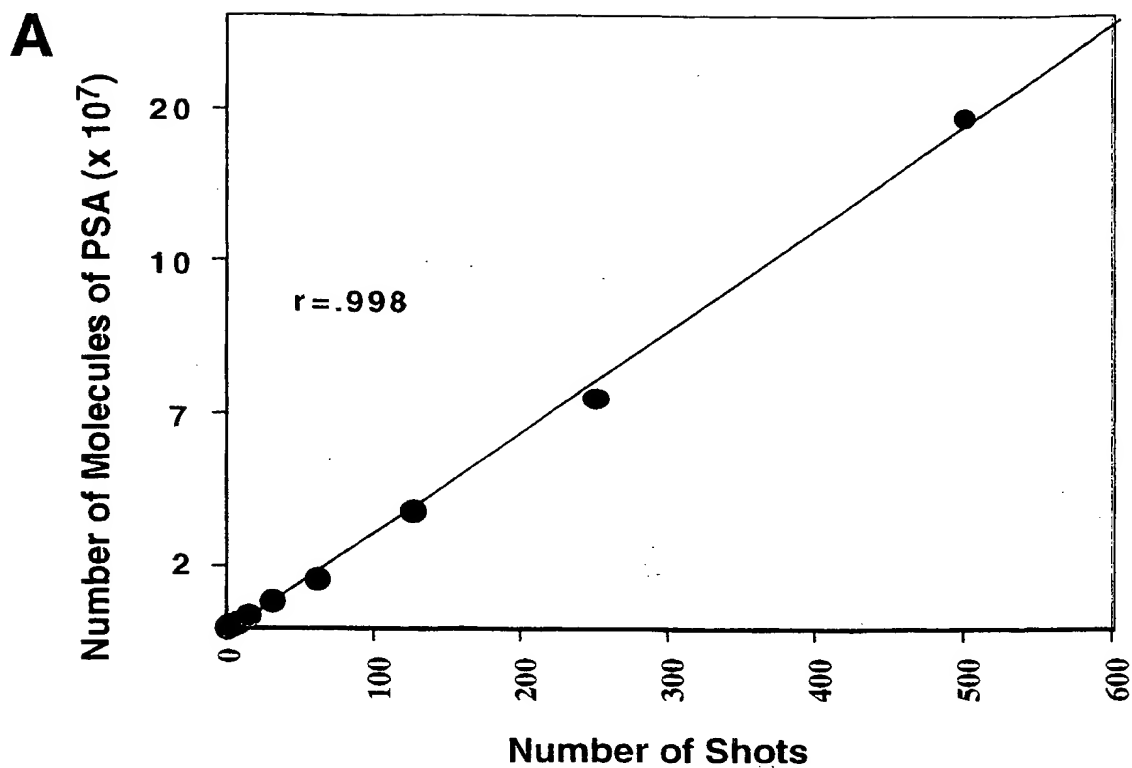
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FIG. 2



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FIG. 3



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FIG. 4

Sample	Mean PSA molecules (RLUs)	C.V.%	Mean no. cells
Prostate Tumor 100 shots (n=10)	1.2×10^8 (7,199,673)	3.9 %	721
Prostate Tumor 15 shots (n=10)	1.9×10^7 (1,178,202)	15.8 %	78
Prostate Tumor Single Shot (n=19)	1.8×10^6 (708,730)	54.7 %	6.3
Buffer Control (n=10)	Negative (88,788)	3.5%	NA
Lung 100 shots (n=10)	Negative (134,413)	6.5%	NA
Prostate Stroma 100 shots (n=6)	Negative (132,759)	5.2%	NA

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FIG. 5

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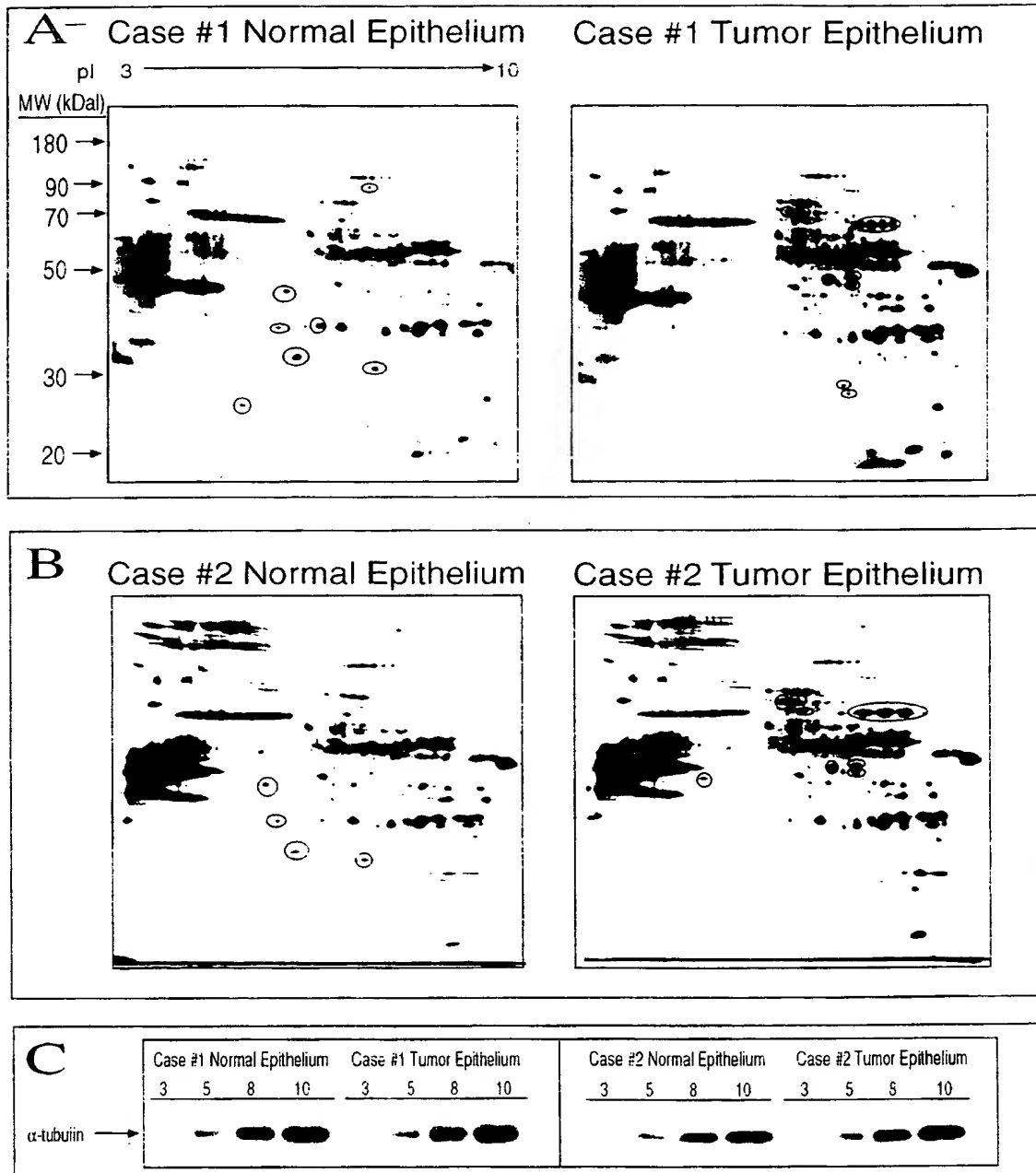
Case Designation and Histologic Diagnosis	Molecules of PSA/Cell Mean per 100 shots	Immunohistochemistry Score
Case A Normal	6.66x10 ⁴	+
Case B Tumor	9.52x10 ⁴	+
Case C Tumor	1.99x10 ⁴	+
Case B Normal	1.04x10 ⁵	++
Case B PIN	4.25x10 ⁵	++
Case C PIN	3.70x10 ⁵	++
Case A Tumor	3.4x10 ⁶	+++
Case C Normal	6.3x10 ⁶	+++

Case A Normal	6.66x10 ⁴	+
Case B Tumor	9.52x10 ⁴	+
Case C Tumor	1.99x10 ⁴	+
Case B Normal	1.04x10 ⁵	++
Case B PIN	4.25x10 ⁵	++
Case C PIN	3.70x10 ⁵	++
Case A Tumor	3.4x10 ⁶	+++
Case C Normal	6.3x10 ⁶	+++

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FIG. 6

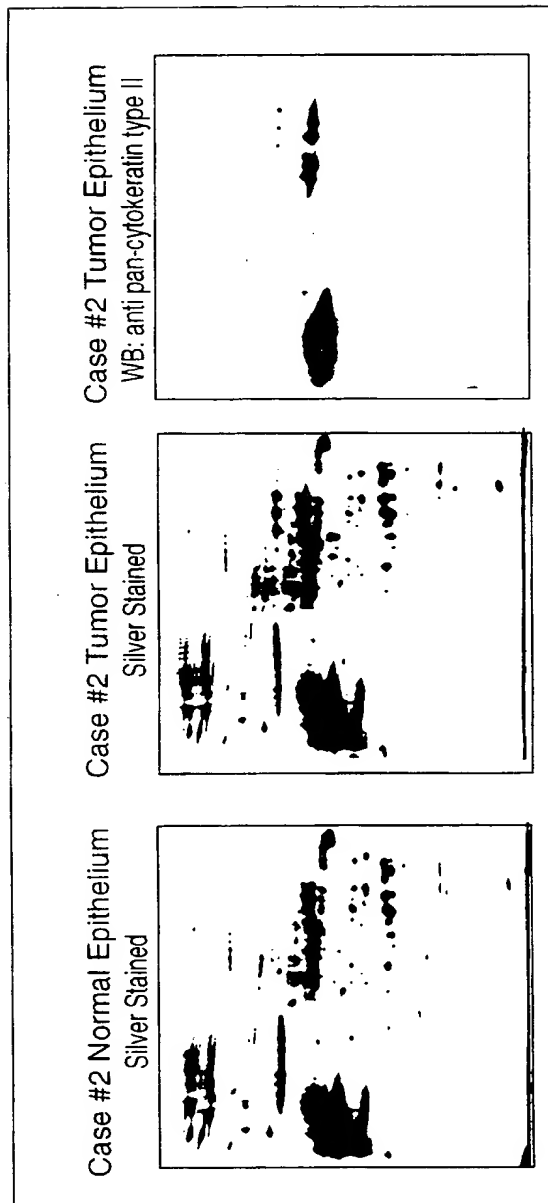
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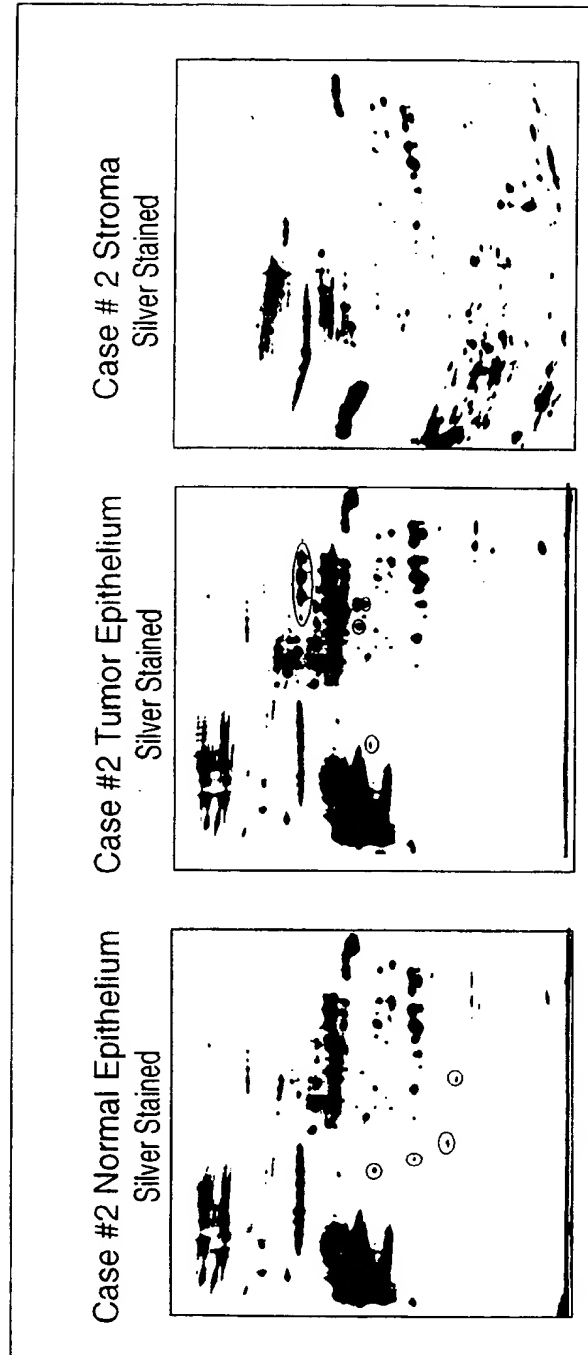
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FIG. 7



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FIG. 8



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FIG. 9

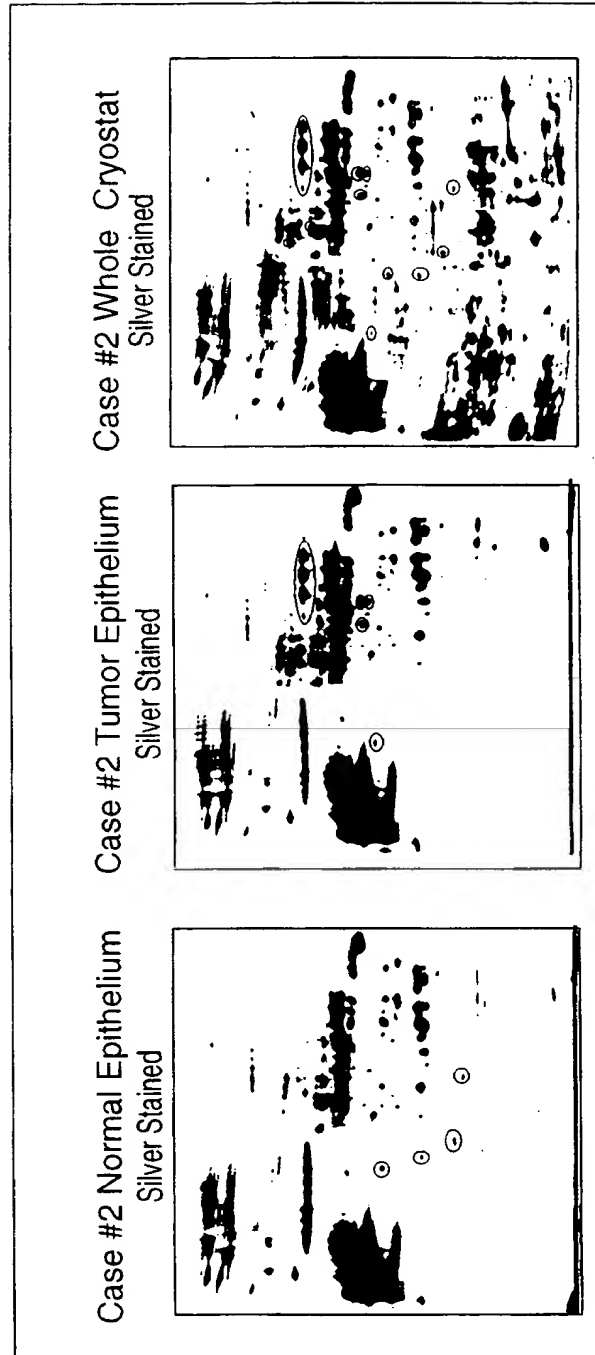
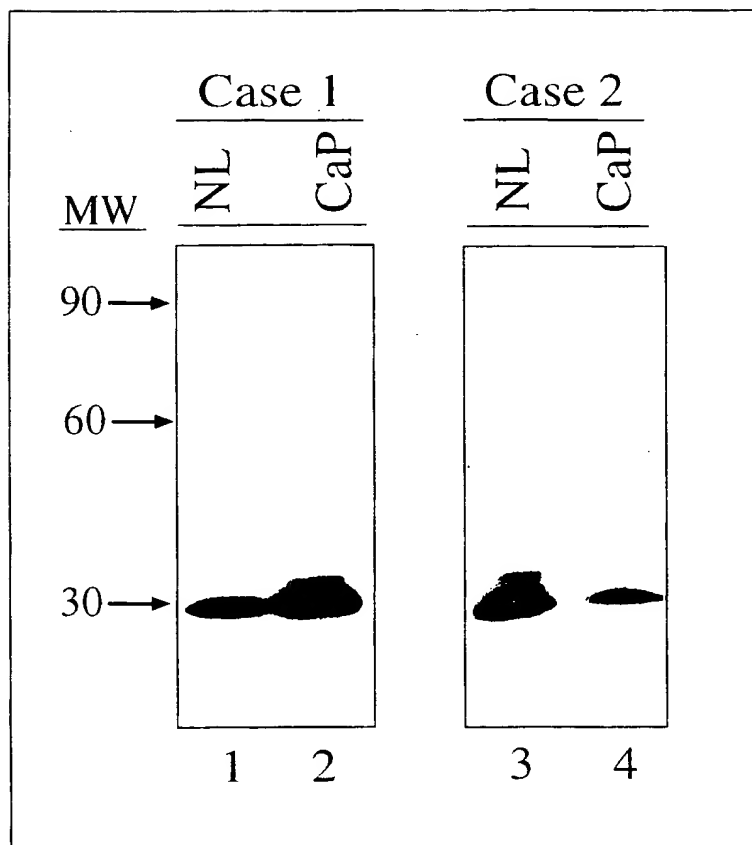


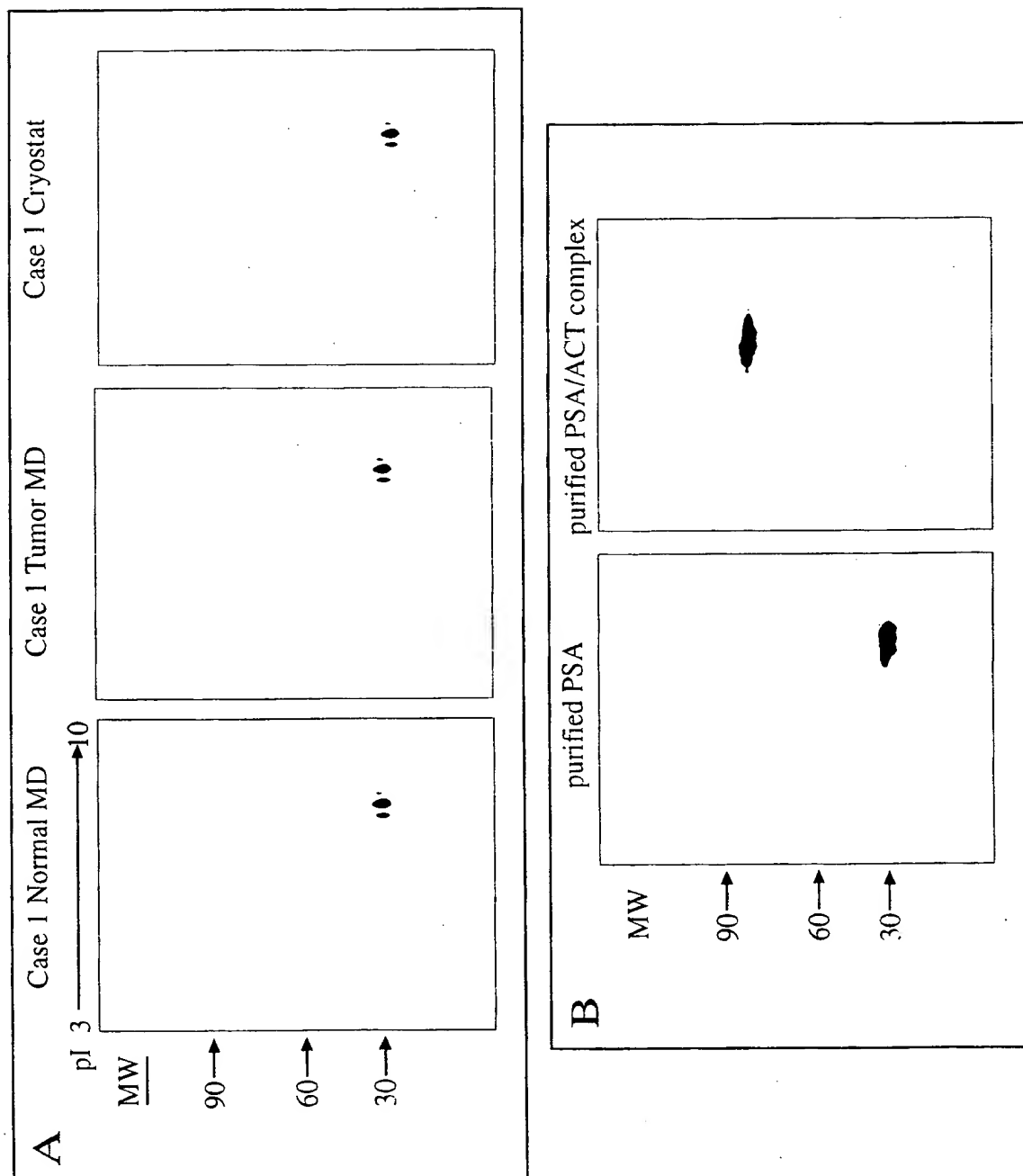
FIG. 10



1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

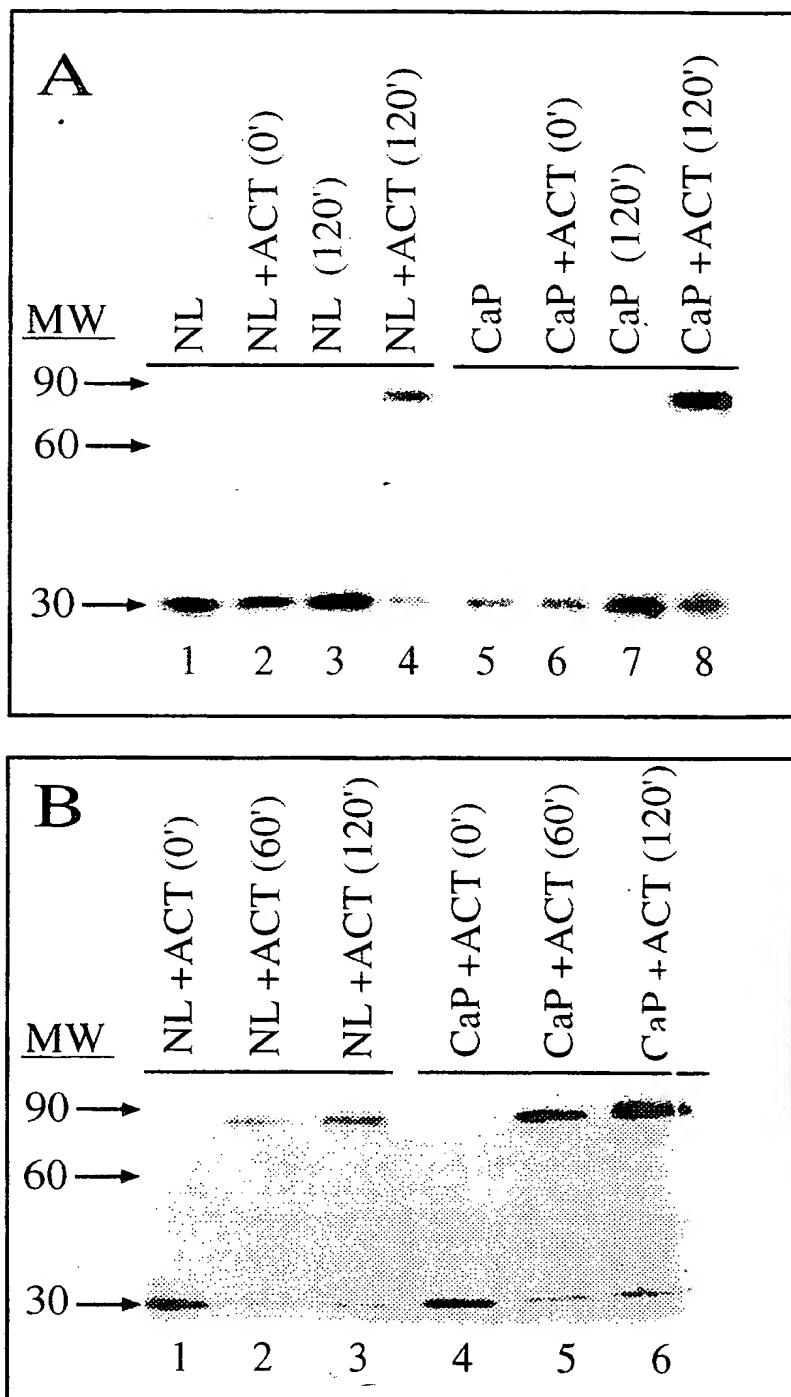
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FIG. 11



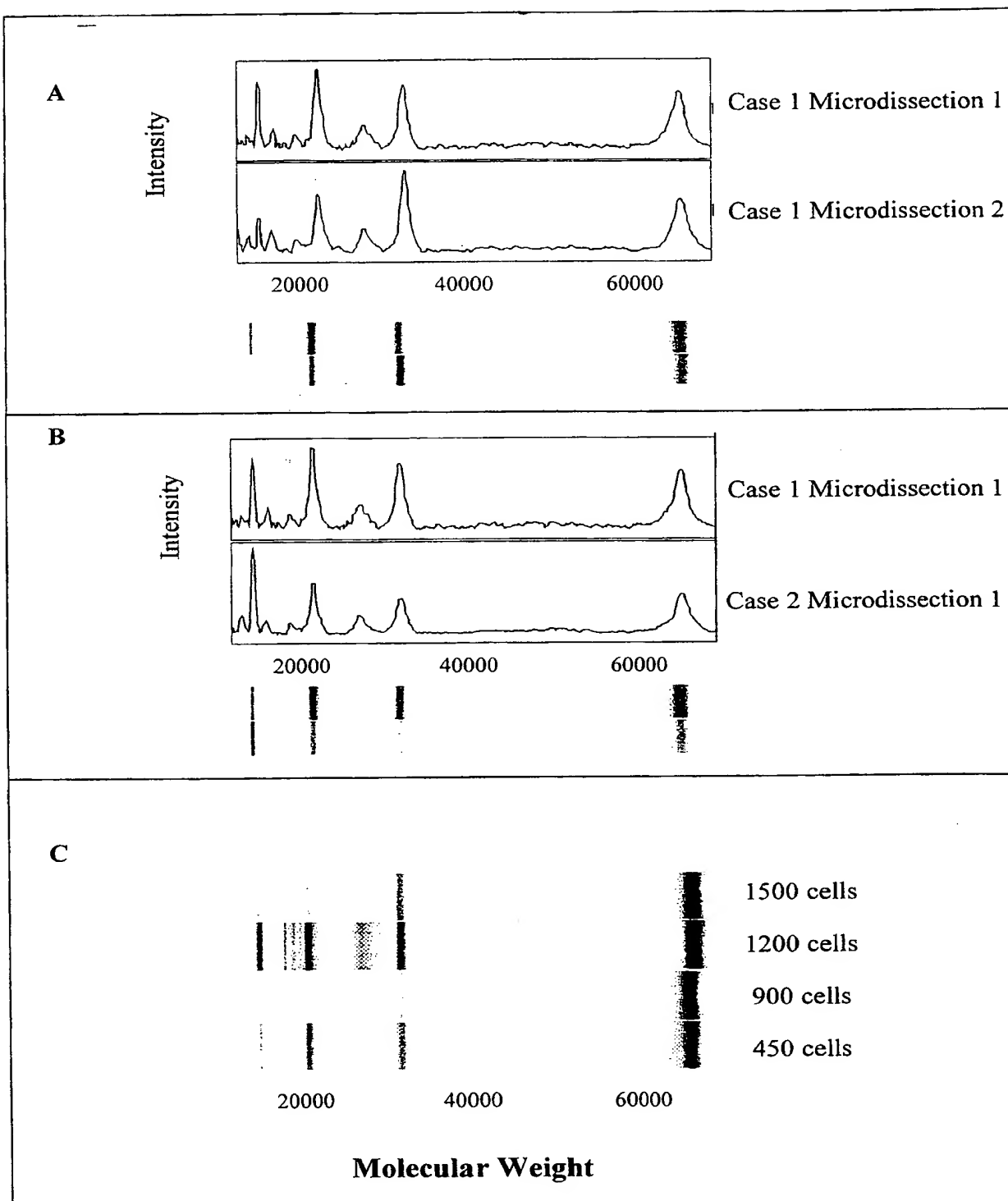
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FIG. 12



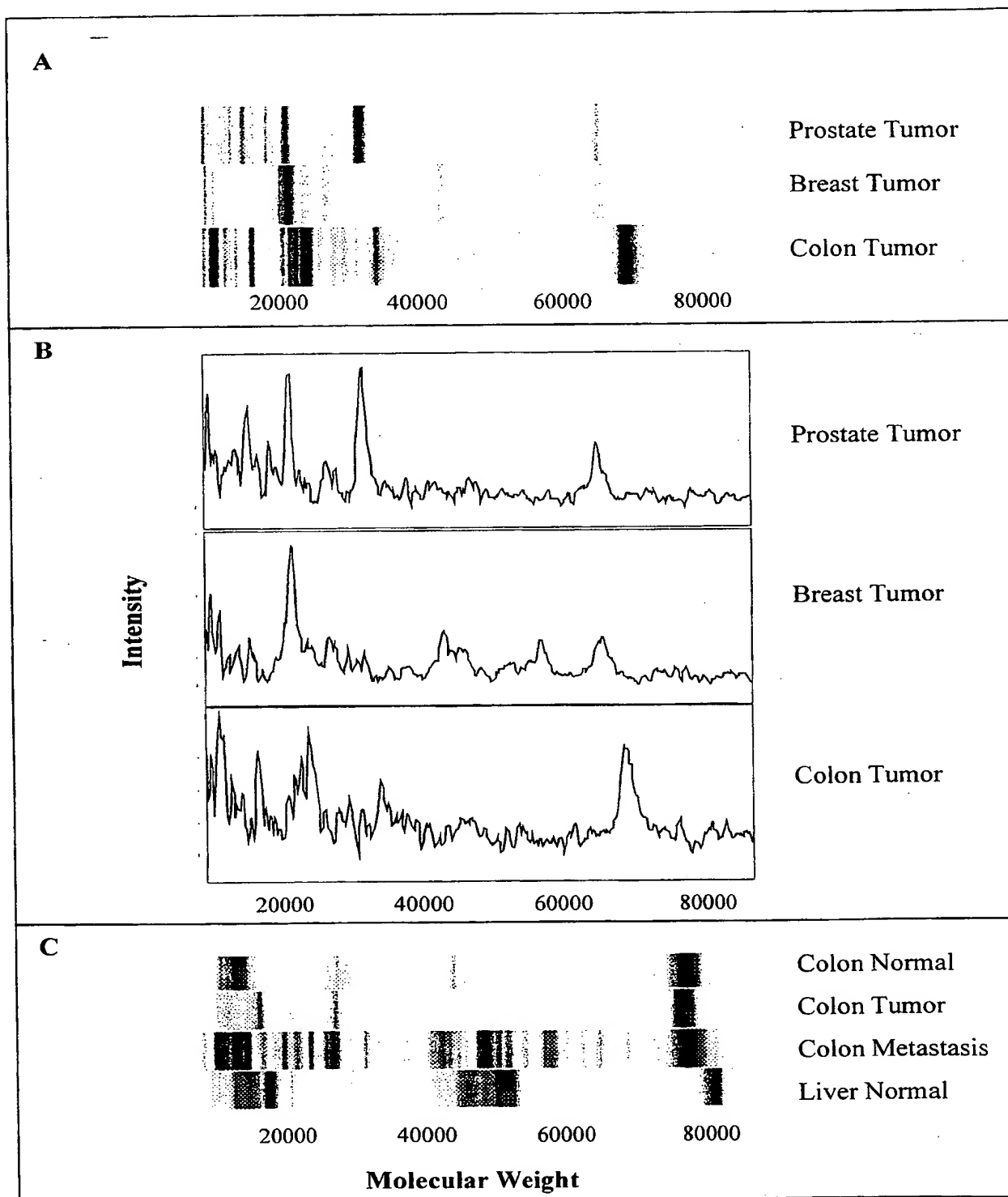
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FIG. 13



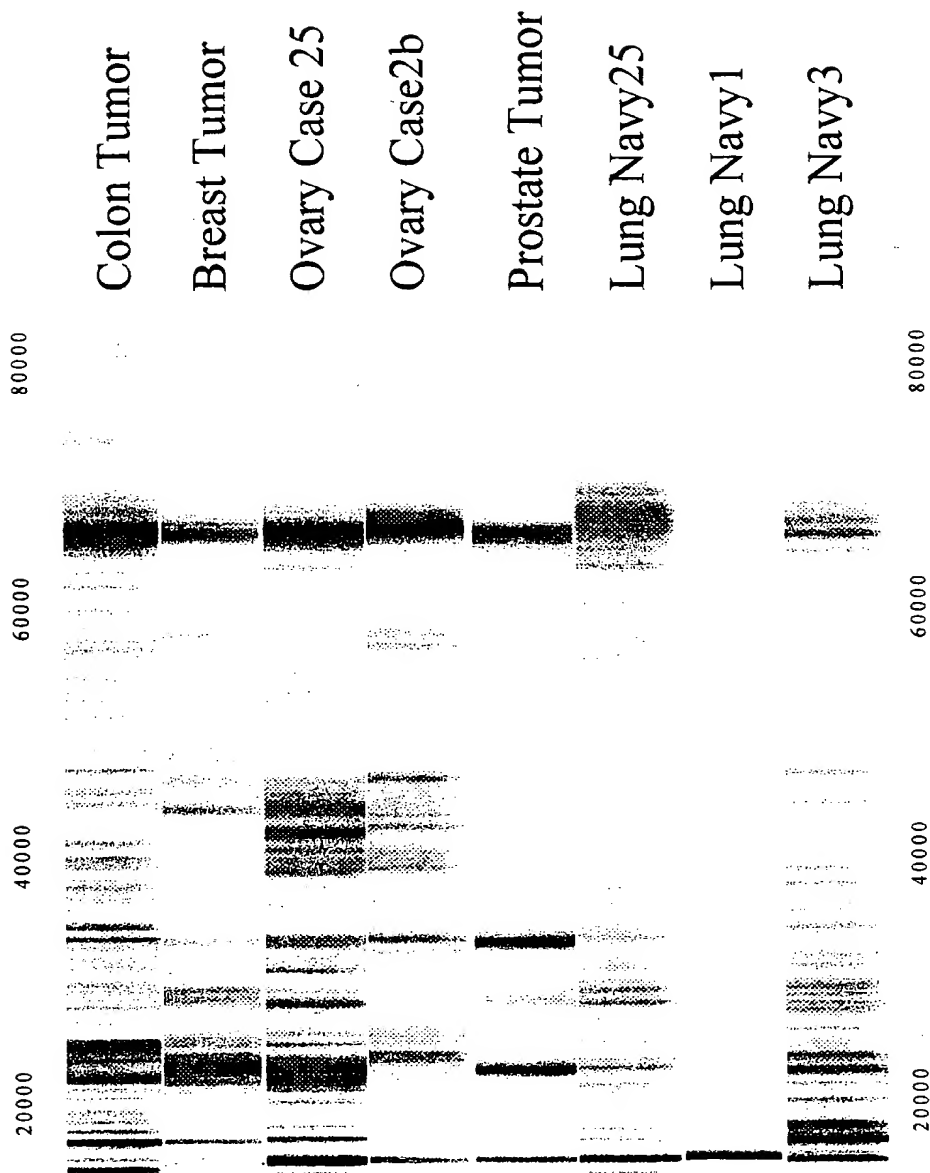
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FIG. 14



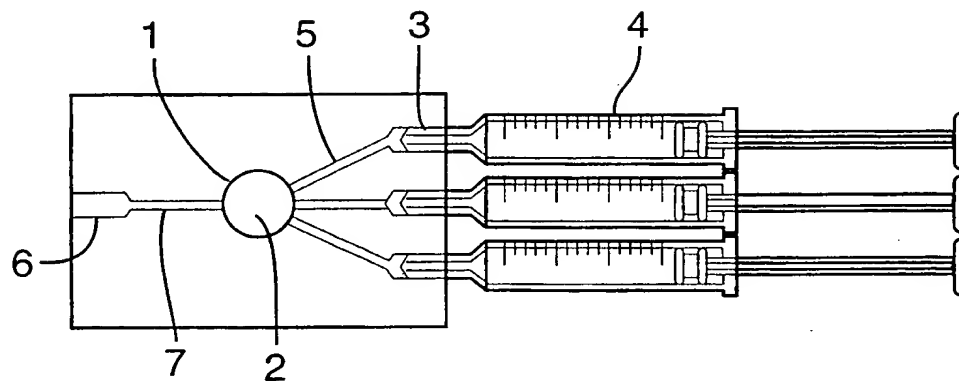
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FIG. 15 Fingerprint comparison between a variety of tumor types



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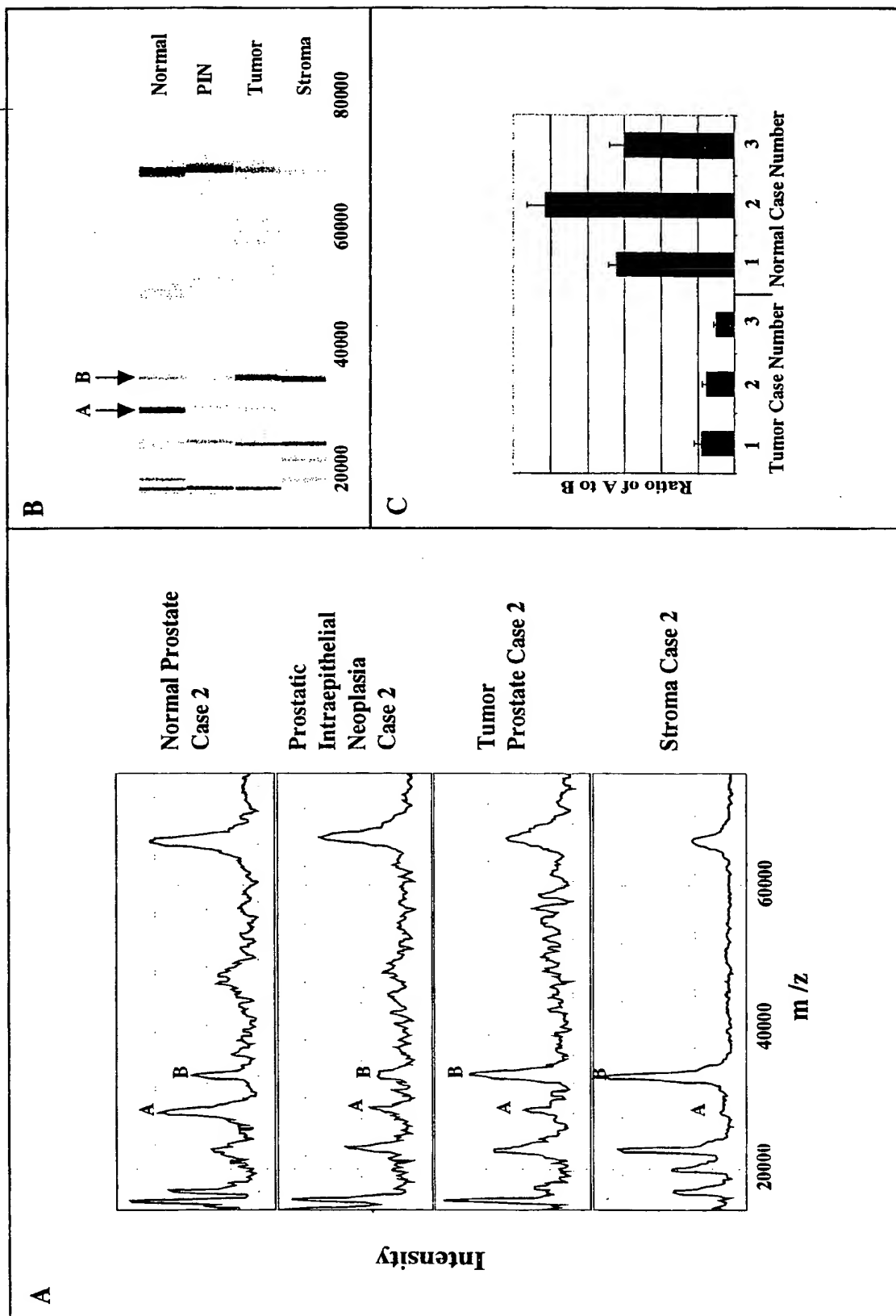
FIG. 16

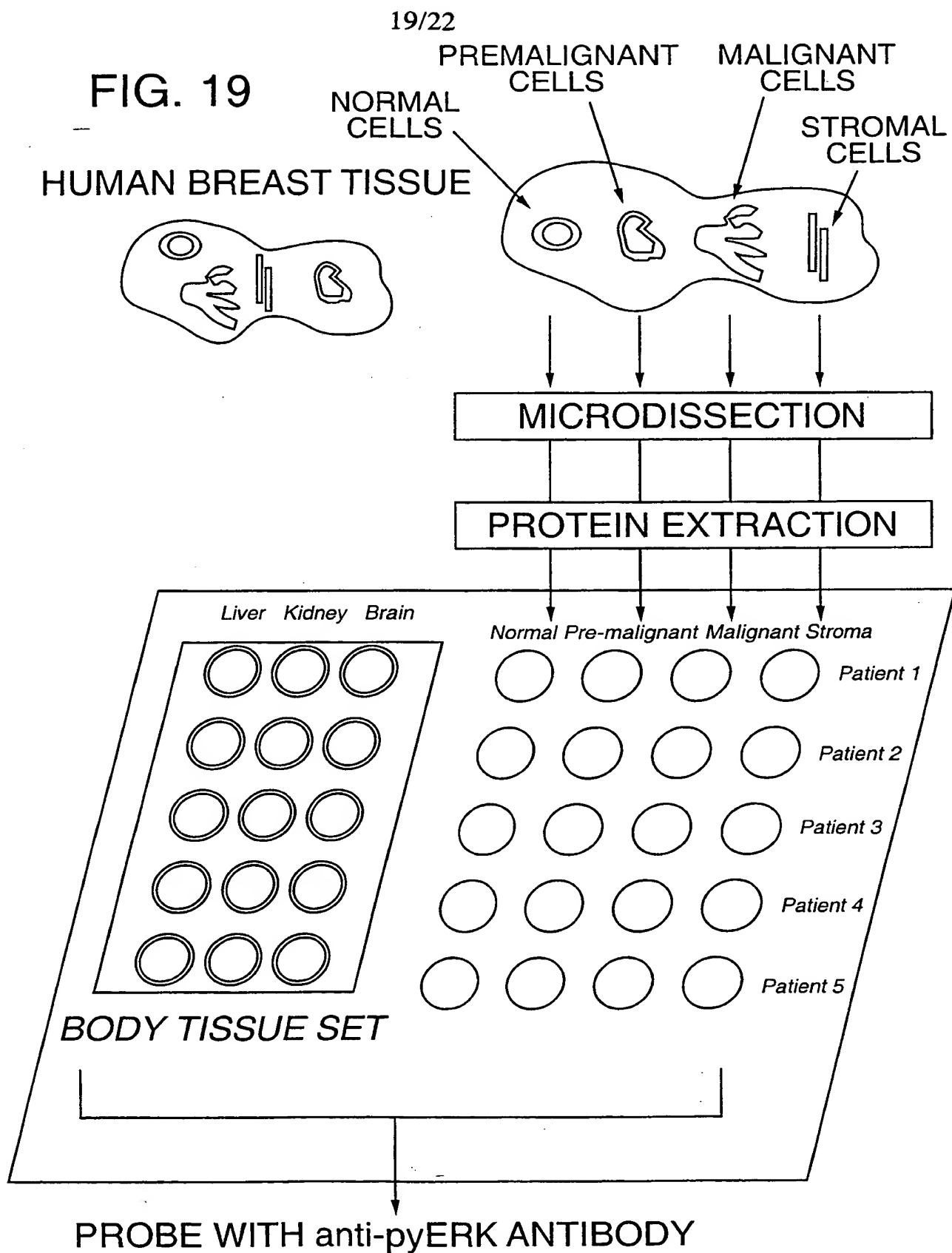


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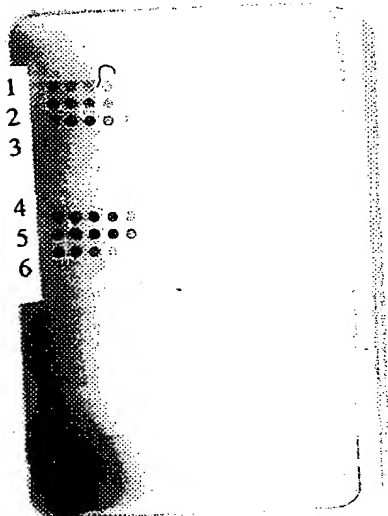
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FIG. 18

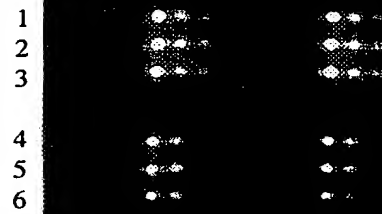




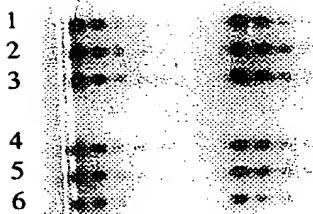
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A



B

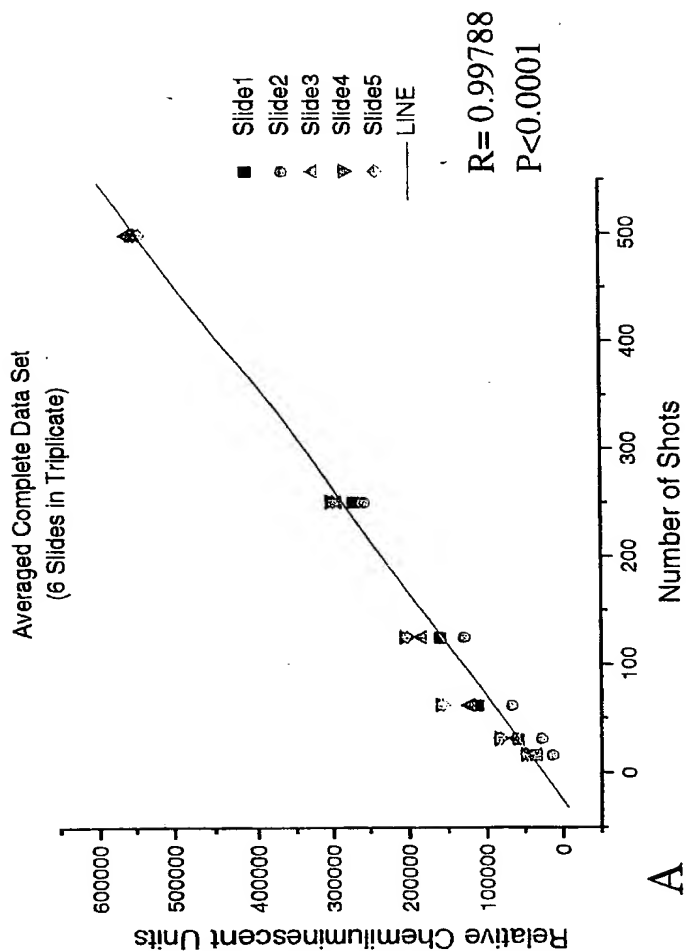


C

FIG. 20

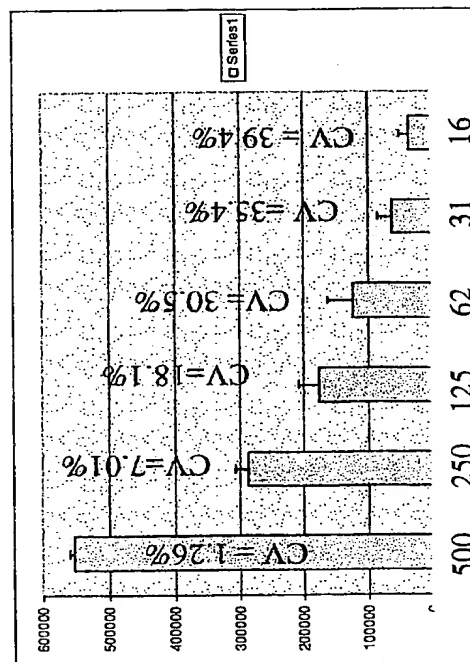
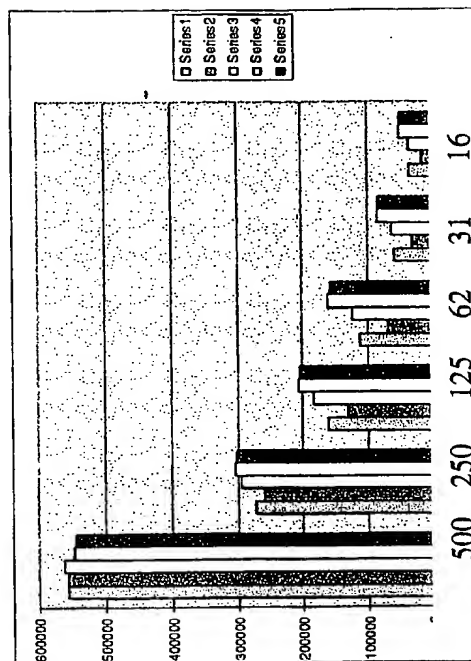
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FIG. 21



Individual RFU's for each Slide (run in Triplicates)

Coefficient of Variance for Data Sets



CV = 1.26%

B

C

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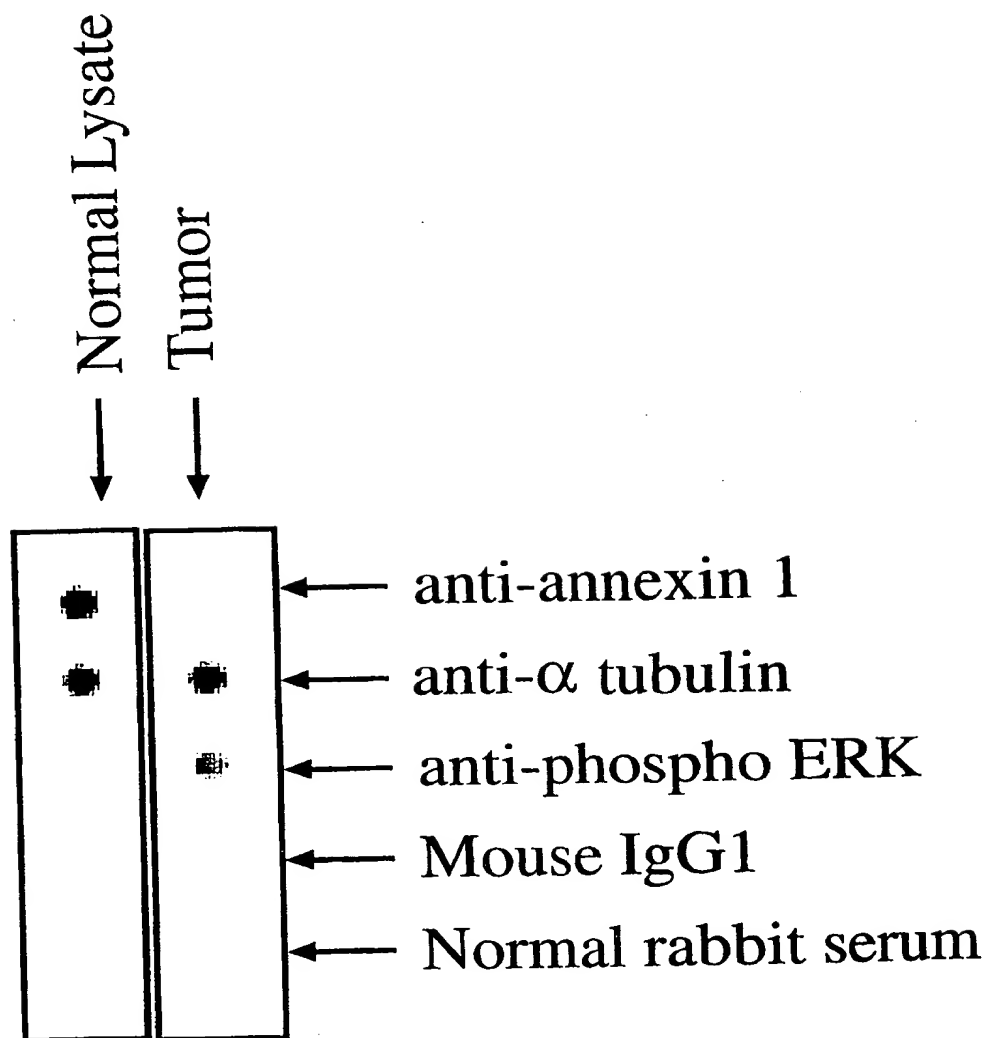


FIG. 22